

Questions Concerning Overall Forecast of Tide  
Flow, by Yu Fang-hu, Cheng I-fang, 39 pp.

CHINESE, per, Hai-yang Yu Lu-chao, Vol II,  
No 3, Jul 1959, pp 111-134.

JPRS 11859

Sci - Geophys

184, 947

Jan 62

(SF-1600)

Calculations of Numerical Value of Sea Currents  
Induced by Wind Within a Semi-Enclosed Sea Area,  
by Ho En-tien, Yu Fang-hu, Shen Ling-yun, 13 pp.

CHINESE, per, Hai-yang Yu Hu-chao, Vol II, No 3,  
Jul 1959, pp 136-144.

JPRS 11659

*184, 942*

Sci - Geophys

Jan 62

(SF-1600)

On Some Physical and Chemical Properties of the Water  
in the Northern Part of Lake T'aihu, by Chu Shu-p'ing;  
23 pp.

CHINESE, per, Hai-yang Yu Hu-chao, Vol II, No 3,  
Jul 1959, pp 146-159.

JPRS 11358

Sci - Chem

Jan 62

178, 818

(SF-1600)

The Feeding Habits of the Ostrea Rivularis Gould  
by Cheng Hsi, Ch'i Chang-yen, ~~XXXXXXXXXXXXXXXXXXXX~~  
Hsieh Yu-k'an, 24 pp.

CHINESE, per, Hai-yang Yu Lu-chao, Vol II,  
No 3, Jul 1959, pp 163-178.

JPRS 11367

Sci - Med  
Jan 62

178,490

(SR-1600)

A Decade of Marine Biology in China, by Tsang Ch'ung-K'uei, 15 pp.

CHINESE, per, Hai-yang Yu Hu-chao, Vol II, No 4, 1959, pp 203-212.

JPRS 11104

Sci - Biol

176,012

Dec 61

(SP-1005)

On the Regional Division of the Marine Algae  
Flora of the Western North Pacific, by  
Ts'eng Ch'eng-h'uei, Cheng Hsueh-fu, 29 pp.

CHINESE, por, Hai-yang Yu Hu-choo, No 4,  
Oct 1959, pp 244-261.

JPRS 11367

Sci - Med  
Jan 62

178,491

(OF-1142)

Fauna of Economical Mollusks of the South  
China Sea, by Chang Hsi, Chi Chung-yen, 12 pp.

CHINESE, per, Hai-yang Yu Hu-chao, No 4,  
Oct 1959, pp 266-274.

JPRS 11367

Sci - Med  
Jan 62

178,482

(CP-1000)

Notes on the Economic Fish Fauna of the South  
China Sea, by Ch'eng Ch'ing-t'ai, 7 pp.

CHINESE, per, Hai-yang Yu Hu-chao, No 4,  
Oct 1959, pp 276-282.

JPRS 11367

Sci - Med  
Jan 62

178,493



Initial Study of the Relief and Bottom Sediment  
of the Continental Shelf of the East China Sea,  
by Ch'in Yun-shan, 25 pp.  
CHINESE, per, Hai-yang Yu Hu-chao, Peking.  
Vol 5, No 1, Feb 1963, pp 71-85.  
JPRS 50252

Sci-Ear Sci & Oceanog  
Apr 70

405,500

A Preliminary Investigation on the Application  
of T-S Diagrams for a Quantitative Analysis  
of Watermasses in Shallow Water Areas, by  
Mao Han-li, Jen Yun-wu, 29 pp.  
CHINESE, per, Hai-yang Yu Hu-chao, Peking,  
Vol 6, No 1, 1964, pp 1-21.  
JPRS 50624

Sci-Ear Sci & Oceanog  
Jun '70

Further Investigation on the Form of Wind Wave  
Spectrum, by Wang Ping-hsiang, 23 pp.  
CHINESE, per, Hai-yang Yu Hu-chao, Peking,  
Vol 6, No 1, Feb 1964, pp 23-37.  
JPRS 50564

Sci-Ear Sci & Oceanog  
Jun 70

A Review of Research and Development of  
Acoustics of the Sea, by You Fang-hu, 25 pp.  
CHINESE, per, Hai-yang Yu Hu-Chao, Vol XI,  
No 1, Feb 1964, pp 109-119.  
JPRS 26103

Sci - B & M  
Aug 64

265,936

One Type of Vertical Distribution of Components  
in Tidal Currents of Shallow Seas, by  
Ch'en Tsung-yung, 12 pp.  
CHINESE, per, Hai-yang Yu Hu-chao, Peking, Vol 6,  
No 3, 1964, pp 252-259.  
JPRS 50483

Sci-Bar Sci  
May 70

Character of Energy Exchange Between Sea and  
Atmosphere of North Pacific, by Ch'en Ln-Chiu,  
Chang P'i-yuan, 19 pp.  
CHINESE, per, Hai-yang yu Hu-chao, Peking, Vol 6,  
No 4, Nov 1964, pp 350-363.  
JPRS 50675

Sci-Ear Sci  
June 70

Advance in Comparative Biochemistry of Marine  
Bioluminescence, by Hsueh T'ing-yao, 20 pp.  
CHINESE, per, Hai-yang Yu Hu-chao, Peking,  
Vol 6, No 4, 1964, pp 423-432.  
JPBS 50564

Sci-Sar Sci & Oceanog  
Jun 70

Ueda, Ryuzo, Terajima, Takane, and Okuda, Takashi.  
POLYMER COMPOSITION OF COMMERCIAL LACTIC  
ACID. Rept. 11 [of] Studies on the Utilization of  
Fermented Lactic acid. [1963] 7p 11 refs  
Order from SLA \$1.10

63-18904

Trans. of Hakko Kagaku Zasshi (Japan) 1958, v. 36,  
p. 368-371.

DESCRIPTORS: \*Lactic acid, \*Polymers, Separation,  
\*Chromatographic analysis, Impurities.

Partition chromatography was conducted according to  
R. Montgomery's method (J. Am. Chem. Soc.  
74: 1466, 1952), and it was seen that the polymers in  
lactic acid water solution could be determined more or  
less completely. The polymer composition of edible  
grade lactic acid demonstrated 57 ~ 62% monomer,  
20 ~ 23% dimer, 4 ~ 7.5% trimer, and trace ~ 7%  
tetramer, and total acidity was 87 ~ 93%. The lactic  
(Chemistry, TT, v. 10, no. 11) (over)

63-18904

I. Ueda, R.  
II. Terajima, T.  
III. Okuda, T.  
IV. Studies ...

Office of Technical Services



63-18905

Ueda, Ryuzo and Terajima, Takane.  
CHANGES OF LACTIC ACID POLYMERS BY DILU-  
TION. Rept. 12 [of] Studies of the Utilization of  
Fermented Lactic Acid. [1963] 7p 3refs  
Order from SLA \$1.10

63-18905

Trans. of Hakko Kagaku Zasshi (Japan) 1958, v. 36,  
p. 371-374.

DESCRIPTORS: \*Condiments, Taste, \*Lactic acid,  
\*Polymers, Solutions, Hydrolysis, Chemical equilib-  
rium.

Changes of lactic acid polymers when edible grade  
lactic acid (87.20%) was diluted to various concentra-  
tions with distilled water were examined. When left at  
room temperature, at 5% concentration the trimer ex-  
isted for at least 30 days and even after 40 days still  
a fairly large amount of dimer existed, and equilibrium  
(Food, TT, v. 10, no. 12) (over)

I. Ueda, R.  
II. Terajima, T.  
III. Title: Studies . . .

Office of Technical Services

63-16189

[Chen, Chih-tsung, Tu, Tsung-ming, and  
Chen, Lin-tsung].  
[STUDIES ON THE GLUTAMIC ACID FERMENTA-  
TION]. I. EXAMINATION OF POWERFUL KIND OF  
BACTERIA. [1963] 9p. (tables omitted) 11 refs.  
Order from SLA \$1.10      63-16189

Trans. of [Hakko Kagaku Zasshi (Japan) 1959, v. 37,  
no. 8, p. 295-298].

DESCRIPTORS: \*Glutamic acid, \*Fermentation,  
Bacteria, Biosynthesis, \*Micrococcus, \*Culture media.

For the purpose of carrying out a basic study on the  
manufacture of glutamic acid, the authors collected the  
samples from a wide area of farms, paddy fields, and  
factories in Taiwan, and tried the isolation of powerful  
bacteria therefrom. From among 94 kinds obtained by  
the first screening, 16 kinds were selected as being  
(Biological Sciences--Microbiology, TT, v. 10, no. 11)  
(over)

1. Title: 1942 Bacteria
2. Title: Bacteria No. 1942
- I. Chen, Chih-tsung
- II. Tu, Tsung-ming
- III. Chen, Lin-tsung
- IV. Title: Examination..

Office of Technical Services

[Chen, Chih-tsung and Chen, Lin-tsung].  
[STUDIES ON THE GLUTAMIC ACID FERMENTA-  
TION]. II. COMPOSITION OF THE CULTURE  
GROUNDS. 1. ON THE SOURCE OF CARBON. [1963]  
7p. (tables omitted) 3 refs.  
Order from SLA \$1.10

63-16190

Trans. of [Hakko Kagaku Zasshi (Japan) 1959, v. 37,  
no. 8, p. 298-301].

DESCRIPTORS: \*Glutamic acid, \*Fermentation,  
\*Culture media, Biosynthesis, Carbon, Bacteria,  
Glucose, \*Micrococcus.

As a result of the examination concerning the applica-  
bility of several carbon sources on bacteria No. 1942,  
it was discovered that glucose and sucrose are good.  
As the glucose sources, either the hydrochloric acid  
or sulfuric acid, saccharified solutions of cassava  
(Biological Sciences--Microbiology, TT, v. 10, no. 11)  
(over)

63-16190

1. Title: 1942 Bacteria
2. Title: Bacteria No. 1942
- I. Chen, Chih-tsung
- II. Chen, Lin-tsung
- III. Title: Composition...
- IV. Title: On...

Office of Technical Services

63-16191

[Chen, Chih-tsung and Tu, Tsung-ming].  
[STUDIES ON THE GLUTAMIC ACID FERMENTATION]. III. COMPOSITION OF THE CULTURE  
GROUND. 2. ON THE SOURCE OF NITROGEN.  
[1963] 6p. (tables omitted) 5 refs.  
Order from SLA \$1.10

63-16191

Trans. of [Hakko Kagaku Zasshi (Japan) 1959, v. 37,  
no. 8, p. 301-304].

DESCRIPTORS: \*Glutamic acid, \*Fermentation,  
Bacteria, \*Micrococcus, Nitrogen, \*Culture media,  
Biosynthesis.

As a result of the examination of the applicability of  
several kinds of nitrogen sources for bacteria No. 1942,  
it was recognized that urea,  $(\text{NH}_4)_2\text{SO}_4$  and  $\text{NH}_4\text{Cl}$  are  
good. Mixtures of urea and  $(\text{NH}_4)_2\text{SO}_4$  or  $\text{NH}_4\text{Cl}$  were  
used as the nitrogen sources which might kill the  
(Biological Sciences--Microbiology, TT, v. 10, no. 11)  
(over)

1. Title: 1942 Bacteria
2. Title: Bacteria 1942
- I. Chen, Chih-tsung
- II. Tu, Tsung-ming
- III. Title: Composition ...
- IV. Title: On ...

Office of Technical Services

[Chen, Chih-tsung and Shen, Wen-kwei].  
[STUDIES ON THE GLUTAMIC ACID FERMENTATION]. IV. COMPOSITION OF THE CULTURE GROUND. 3. ON THE PROMOTOR SUBSTANCES.  
[1963] 5p. (tables omitted) 4 refs.  
Order from SLA \$1.10

63-16192

Trans. of [Hakko Kagaku Zasshi (Japan) 1959, v. 37, no. 8, p. 304-307].

DESCRIPTORS: \*Glutamic acid, \*Fermentation, Biosynthesis, \*Culture media, Bacteria, Micrococcus, Proteins.

Examinations were made concerning the promoter effects of the hydrochloric acid decomposed solutions of the blan cake, peanut cake and casein on the production of glutamic acid by bacteria No. 1942. As a result of these examinations, it was found that the decomposed solution of peanut cake (PCI) is the best. The most

(Biological Sciences--Microbiology, TT, v. 10, no. 11)  
(over)

63-16192

1. Title: 1942 Bacteria
2. Title: Bacteria no. 1942
- I. Chen, Chih-tsung
- II. Shen, Wen-kwei
- III. Title: Composition ...
- IV. Title: On ...

Office of Technical Services

[Chen, Chih-tsung and Chen, Hwan-feng].  
[STUDIES ON THE GLUTAMIC ACID FERMENTATION]. V. COMPOSITION OF THE CULTURE GROUND. 4. ON THE PROMOTOR SUBSTANCES.  
[1963] 5p. (tables omitted) 4 refs.  
Order from SLA \$1.10

63-16193

Trans. of [Hakko Kagaku Zasshi (Japan) 1959, v. 37, no. 8, p. 307-309].

DESCRIPTORS: \*Glutamic acid, \*Fermentation, \*Culture media, Stimulation, Biosynthesis, \*Micrococcus, Bacteria, Vitamin B complex.

The promotor effects of biotin in the production of glutamic acid are conspicuous. The most suitable concentration of biotin is in the range between 2 and 3 (gamma) per liter. The use of PCH alongside shows no particular difference from the use of biotin and PCH (Biological Sciences--Microbiology, TT, v. 10, no. 11)  
(over)

63-16193

1. Title: 1942 Bacteria
2. Title: Bacteria No. 1942
- I. Chen, Chih-tsung
- II. Chen, Hwan-feng
- III. Title: Composition ...
- IV. Title: On ...

Office of Technical Services

[Chen, Chih-tsung and Shen, Wen-kwei].  
[STUDIES ON THE GLUTAMIC ACID FERMENTATION]. VII. ON THE PRE-CULTURE AND THE AMOUNT OF INJECTIONS. [1963] Sp. (table omitted).  
Order from SLA \$1.10 63-16195

Trans. of [Hakko Kagaku Zasshi (Japan)] 1959, v. 37, no. 8, p. 311-313.

DESCRIPTORS: \*Glutamic acid, \*Fermentation, Biosynthesis, \*Culture media, Injection, \*Micrococcus, Bacteria.

As a result of a test conducted by using a culture solution consisting of glucose 2.0, urea 0.2,  $(\text{NH}_4)_2\text{SO}_4$  0.2,  $\text{KH}_2\text{PO}_4$  0.2,  $\text{MgSO}_4 \cdot 7\text{aq.}$  0.04 and  $\text{FeSO}_4$  0.01 per cent as the basic culture ground for the pre-culture and adding PCH or biotin as the promoter substance, it was observed that 4 per cent of PCH or (Biological Sciences--Microbiology, TT, v. 10, no. 11).  
(over)

63-16195

1. Title: 1942 Bacteria
2. Title: Bacteria No. 1942
- I. Chen, Chih-tsung
- II. Shen, Wen-kwei
- III. Title: On ...

Office of Technical Services

[Chen, Chih-tsung and Chen, Hwan-feng].  
[STUDIES ON THE GLUTAMIC ACID FERMEN-  
TATION]. VIII. ON THE METHOD FOR THE PRE-  
SERVATION OF BACTERIA. [1963] 5p. (tables omitted)  
1 ref.

Order from SLA \$1.10

63-16196

Trans. of Hakko Kogaku Zasshi (Japan) 1959, v. 37,  
no. 8, p. 314-315.

DESCRIPTORS: \*Glutamic acid, \*Fermentation,  
\*Culture media, Bacteria, Preservation, \*Micrococcus,  
Biosynthesis.

As for the isinglass slant cultures for the preservation  
of bacteria, those with an addition of 1.0 per cent of  
meat extract, 10 per cent of peptone, and 0.5 per cent  
of NaCl or those with the same additions plus an  
addition of 0.25 per cent of glucose are proper. Inas-  
(Biological Sciences--Microbiology, TT, v. 10, no. 11)  
(over)

63-16196

1. Title: 1942 Bacteria
2. Title: Bacteria no. 1942
- I. Chen, Chih-tsung
- II. Chen, Hwan-feng
- III. Title: On ...

Office of Technical Services



63-16197

[Chen, Chih-tsung, Tu, Tsung-ming, and Chen, Lin-tsung].  
[STUDIES ON THE GLUTAMIC ACID FERMENTATION]. IX. ON THE ADJUSTMENT OF pH. [1963]  
5p. (tables omitted) 5 refs.  
Order from SLA \$1.10 63-16197

Trans. of [Hakko Kagaku Zasshi (Japan) 1959, v. 37,  
no. 8, p. 315-318].

DESCRIPTORS: \*Glutamic acid, \*Fermentation,  
\*Culture media, Bacteria, Biosynthesis, Micrococcus,  
Growth, \*Hydrogen ion concentration.

As a result of the test for the determination of the most  
suitable pH for the production of glutamic acid by  
bacteria No. 1942, it was observed that good results  
are obtained when pH is 7.0 at the time of the initiation  
of the culture when pH is constantly adjusted to remain  
(Biological Sciences--Microbiology, TT, v. 10, no. 11)  
(over)

1. Title: 1942 Bacteria
2. Title: Bacteria 1942
- I. Chen, Chih-tsung
- II. Tu, Tsung-ming
- III. Chen, Lin-tsung
- IV. Title: On ...

Office of Technical Services

63-16198

[Chen, Chih-tsung, Shen, Wen-kwei, and  
Chen, Hwan-feng].  
[STUDIES ON THE GLUTAMIC ACID FERMENTA-  
TION]. X. ON Kd (OXYGEN ABSORPTION RATE  
CONSTANT). [1963] 6p. (figs. tables omitted) 14 refs.  
Order from SLA \$1.10 63-16198

Trans. of [Hakko Kagaku Zasshi (Japan) 1959, v. 37,  
no. 8, p. 318-321].

DESCRIPTORS: \*Glutamic acid, \*Fermentation,  
Biosynthesis, \*Culture media, \*Oxygen consumption,  
Bacteria, Absorption (Biology), \*Micrococcus.

As a result of a test conducted for the determination of  
the relationship between Kd and the amount of the pro-  
duction of glutamic acid by bacteria No. 1942, by  
changing Kd through a change in the solution in an agi-  
tation culture using a triangular flask of a capacity of  
(Biological Sciences--Microbiology, TT, v. 10, no. 11)  
(over)

1. Title: 1942 Bacteria
2. Title: Bacteria No. 1942
- I. Chen, Chih-tsung
- II. Shen, Wen-kwei
- III. Chen, Hwan-feng
- IV. Title: On ...

Office of Technical Services

[Chen, Chih-tsung and Huang, Tsung-fu].  
[STUDIES ON THE GLUTAMIC ACID FERMENTATION]. XI. ISOLATION OF GLUTAMIC ACID IN  
FERMENTATION SOLUTION, 1. [1963] 7p. (tables  
omitted) 3 refs.

Order from SLA \$1.10

63-16199

Trans. of [Hakko Kagaku Zasshi (Japan) 1959, v. 37,  
no. 8, p. 322-324].

DESCRIPTORS: \*Glutamic acid, \*Fermentation,  
Separation, \*Culture media, Biosynthesis, Bacteria,  
\*Micrococcus, Chlorides, Chemical precipitation.

As for the methods for the separation of glutamic acid  
from the fermentation solution, tests were carried out  
on the method of educing glutamic acid from a concen-  
trated broth at its isoelectric point and on the method  
for separating glutamic acid in the form of a hydro-  
(Biological Sciences--Microbiology, TT, v. 10, no. 11)  
(over)

63-16199

I. Chen, Chih-tsung  
II. Huang, Tsung-fu  
III. Title: Isolation ...

Office of Technical Services

63-16200

[Chen, Chih-tsung and Huang, Tsung-fu].  
[STUDIES ON THE GLUTAMIC ACID FERMENTA-  
TION]. XII. [ISOLATION] OF GLUTAMIC ACID IN  
THE FERMENTATION SOLUTION, 2. [1963] 7p.  
(figs. tables omitted) 12 refs.  
Order from SLA \$1.10

63-16200

Trans. of [Hakko Kagaku Zasshi (Japan) 1959, v. 37,  
no. 8, p. 324-327].

DESCRIPTORS: \*Glutamic acid, \*Fermentation,  
\*Culture media, Separation, Bacteria, \*Micrococcus,  
Electrodialysis.

The result of a test which was conducted on the con-  
centration of the glutamic acid fermentation solution  
by the electrolytic dialysis is given. By using an  
electrolytic cell using the positive ion exchange films  
and the negative ion exchange films alternately as  
(Biological Sciences--Microbiology, TT, v. 10, no. 11)  
(over)

I. Chen, Chih-tsung  
II. Huang, Tsung-fu  
III. Title: Isolation ...

Office of Technical Services

62-12211

Nikai, S.  
CAUSES AND PREVENTION OF MILDEW ON BAM-  
BOO WARES. XII. TESTS ON A PILOT-PLANT  
SCALE FOR IMPREGNATING BAMBOO STEMS WITH  
A NA-PENTACHLOROPHENOLATE SOLUTION UNDER  
PRESSURE, PT. 1. [1961] 8p.  
Order from ATS \$11.25

ATS-80N56J

Trans. of Hakko Kagaku Zasshi (Japan) 1960, v. 38,  
no. 3, p. 131-135.

DESCRIPTORS: \*Bamboo, \*Mildew, \*Fungusproofing,  
Impregnation, Sodium compounds, Chlorides.

(Biological Sciences--Botany, TT, v. 7, no. 5)

- I. Nikai, S.
- II. Title: Tests . . .
- III. ATS-80N56J
- IV. Associated Technical  
Services, Inc.,  
East Orange, N. J.

Office of Technical Services

Tsumori, Hiroshi, Nakajima, Junichi and others.  
AUTOMATIC CONTROL OF pH IN SODIUM GLUCO-  
NATE PRODUCTION FROM GLUCOSE BY ASP.  
NIGER. [1962] 11p. (5 figs. 2 tables omitted) 9 refs.  
Order from SLA \$1.60 62-14603

Trans. of [Hakko Kagaku Zasshi] (Japan) 1961, v. 39,  
no. 6, p. 328-[332].

DESCRIPTORS: \*Gluconates, \*Hydrogen ion concentra-  
tion, \*Sodium compounds, \*Fermentation, \*Glucose,  
\*Molds.

An automatic pH control system was employed in the  
production of gluconic acid by fermentation of glucose  
in the presence of Asp. niger. The pH of the fermenta-  
tion solution could be maintained at  $6.5 \pm 0.05$   
throughout the fermentation period. The system pos-  
sessed the following features. The solution was circu-  
(Engineering--Chemical, TT, v. 8, no. 9) (over)

62-14603

I. Tsumori, H.  
I. Tsumori, H.  
II. Nakajima, J.

Office of Technical Services

Studies on the Enzymes Produced by *Trametes Sanguinea*. Part II. Partial Purification and Fractionation of the Cellulolytic Enzyme System of *Trametes*, by K. Nara.

JAPANESE, per, Hakko Kogaku Zasshi, Vol 42, No 7, 1964, pp 410-414.  
NTC 69-10730-06A

Sci-B&M  
July 69

386,646

Studies on the Enzymes Produced by *Trametes Sanguinea*. Part 1. Hydrolytic Enzymes in Crude Preparation and Its Application for Digestion of Animal Feeds, by T. Fugino, K. Nara.  
JAPANESE, per, Hakko Kogaku Zasshi, Vol 42, No 7, 1964, pp 405-409.  
NTC 69-10729-06A

Sci-B&M  
July 69

386,645



Studies on the Production of Reductones by  
Microorganisms. PT. 1. Production and Separation  
of Reductones Produced by Aspergilli, by  
T. Tokuyama, S. Kawate, S. Omata, 8pp  
JAPANESE, per, Hakko Kogaku Zasshi, Vol 42, 1964,  
No 5, pp 288-293  
ATS-opR79R

Sci - Bio  
may 67

326,615

Studies on the Production of Reductones by  
Microorganisms. PT 2. Influence of Culture  
Conditions on the Production of Reductones by  
Aspergilli, by T. Tokuyama, S. Kawate, S. Omata,  
7pp  
JAPANESE, per, Hakko Kogaku Zasshi, Vol 42, 1964,  
No 5, pp 294-297  
ATS-08R79J

Sci - Bio  
May 67

326,616

Oshima, M.  
DEVELOPMENT OF NEW WOOD-CHEMICAL IN-  
DUSTRY. [1962] 14p.  
Order from SLA \$1.60

62-18691

Trans. of Hakko Kyokaishi (Japan) 1959, v. 17, no. 5,  
p. 201-206.

DESCRIPTORS: \*Chemical industry, \*Wood, Glucose,  
Xylose, Fermentation, Lignin, Wastes (Industrial),  
Economics.

(Engineering--Chemical, TT, v. 9, no. 10)

62-18691

I. Oshima, M.

Office of Technical Services

62-16616

Usami, S. and others.  
INDUCED MUTATIONS OF ASPERGILLUS NIGER BY  
NITROGEN MUSTARD TREATMENT. Apr 62, 6p.  
(7 figs. 2 tables omitted) 6 refs.  
Order from SLA \$1.10

62-16616

Trans. of Hakkō Kyokaiishi (Japan) 1960, v. 18, no. 5,  
p. 7-12.

DESCRIPTORS: \*Mutations, \*Molds, \*Nitrogen  
mustards, Genetics, Morphology, Enzymes, Acetic  
acids, Proteases.

From nitrogen mustard treatment of a parent strain,  
Aspergillus niger WU-2223L, which is high in acetic  
acid-producing ability, about 370 artificial mutants were  
obtained. Among these, there were some which were  
more powerful in the production of acid and proteinase.  
No correlation was observed between the type of muta-  
tion and the physiological property, but it was found that  
(Biological Sciences--Microbiology, TT, v. 9, no. 3)  
(over)

I. Usami, S.

Office of Technical Services

TT-64-22090

Iwamoto, H.  
STUDIES OF MOLD PREVENTION ON INDUSTRIAL  
PRODUCTS. XII. THE ANTIFUNGAL ACTIVITY OF  
VARIOUS COMPOUNDS. 6. ORGANOTIN COMPOUNDS.  
[Apr 64] 6p  
Order from ATS \$8.00

ATS-22R75J

Trans. of Hakko Kyokai (Japan) 1961, v. 19  
p. 401-404.

I. Iwamoto, H.  
II. Title: Antifungal...  
III. Title: Organotin...  
IV. ATS-22R75J  
V. Associated Technical  
Services, Inc.,  
East Orange, N. J.

(Chemistry, TT, v. 12, no. 2)

Office of Technical Services

Enzymation of Protein by Microbial Protease and Its Utilization. Part I. Digestion of Protein by Various Acid Proteases, by M. Sakamoto, Y. Kozima. JAPANESE, per, Hakko Kyokaishi, Vol 22, No 8, 1964, ppp 375-379.  
NTC 69-10806-06A

Sci-B&N  
May 69

382,376

(FDD 20905)

The Actual Conditions of Anti-US Attitude  
(Japan), 121 pp.

JAPANESE, bk, Han-bei Fu-cho no Jittai, Dec 1953,  
pp 1-108.

CIA/FDD/U-6074

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Pol

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Welding of Titanium and Its Alloy. UNCLASSIFIED

CHIEF, pwr, Han-Chieh, 17 May 1958, (22 52)

6004 AISE  
8-3B-200(58)

Sci - Ingr  
Oct 58

75, 331



Application of Friction Welding. Full Tr  
UNCLASSIFIED

CHINISSE, per, Han-Chieh, 17 Apr 1958, 22 pp.

6004 AISS  
S-3B-201(58)

Sci - Engr  
Oct 58

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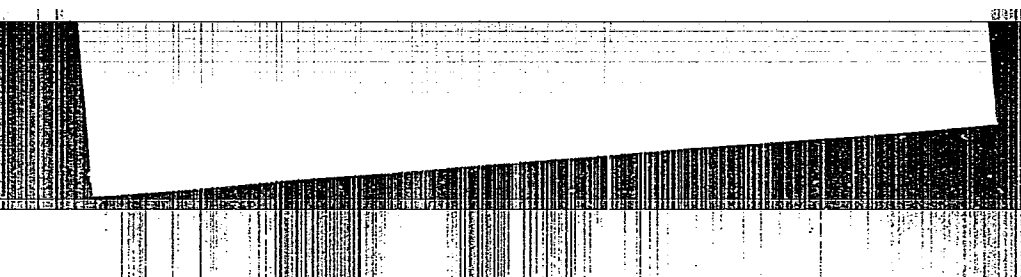
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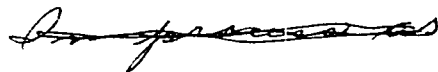
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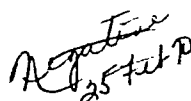
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